

ABERFOYLE LIMITED (MINING DIVISION)

Ore Reserve Estimate as at 1/7/72Ref: 3.4.1 ✓
9.2.1

Table 1.

The measurement of the Ore Reserve has been carried out as in the past five years. All blocks have been plotted on longitudinal projections and dimensions of blocks measured in the plane of the vein. Stopping widths average approximately four feet and the maximum width assumed in new blocks is four feet for calculation purposes.

The classification of the ore reserves has been carried out as follows:-

Table 1: This gives the indicated and inferred ore reserve, level by level, as at 1/7/1972.

Indicated Ore is ore which has been

- a) Proved on three or more sides,
- b) Proved on two sides reasonably close together,
- c) Proved on one side when extension of ore for twenty feet is allowed.

Inferred Ore is ore extending for twenty (20) feet beyond the limits of indicated ore.

Table 2: This classifies the ore reserve under five categories and a description of each category is listed above this table.

Table 3: This gives a level by level comparison of the indicated and inferred ore reserve as at 1/7/1971 to 1/7/1972.

Table 4: This gives a level by level comparison of the total ore reserve as at 1/7/1971 and 1/7/1972, with reasons for divergencies given in the remarks column.

The estimated ore reserve at July 1972 was 388,000 tons compared to 418,450 tons at July 1971, a decrease of 30,450 tons. This decrease is attributable to a net extraction from stopes of 41,500 tons plus a reduced ore reserve assessment in various blocks of 7,350 tons.

These reductions were partially offset by stope extensions contributing 11,800 tons and development (driving and rising) 6,600 tons, leaving a net decrease in the estimated ore reserve of 30,450 tons.

Table 2.

Table 1.

Categorised Ore Reserves at 1/7/72

(Categories A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z, AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, AZ, BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ, BK, BL, BM, BN, BO, BP, BQ, BR, BS, BT, BU, BV, BW, BX, BY, BZ, CA, CB, CC, CD, CE, CF, CG, CH, CI, CJ, CK, CL, CM, CN, CO, CP, CQ, CR, CS, CT, CU, CV, CW, CX, CY, CZ, DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, DK, DL, DM, DN, DO, DP, DQ, DR, DS, DT, DU, DV, DW, DX, DY, DZ, EA, EB, EC, ED, EE, EF, EG, EH, EI, EJ, EK, EL, EM, EN, EO, EP, EQ, ER, ES, ET, EU, EV, EW, EX, EY, EZ, FA, FB, FC, FD, FE, FF, FG, FH, FI, FJ, FK, FL, FM, FN, FO, FP, FQ, FR, FS, FT, FU, FV, FW, FX, FY, FZ, GA, GB, GC, GD, GE, GF, GG, GH, GI, GJ, GK, GL, GM, GN, GO, GP, GQ, GR, GS, GT, GU, GV, GW, GX, GY, GZ, HA, HB, HC, HD, HE, HF, HG, HH, HI, HJ, HK, HL, HM, HN, HO, HP, HQ, HR, HS, HT, HU, HV, HW, HX, HY, HZ, IA, IB, IC, ID, IE, IF, IG, IH, II, IJ, IK, IL, IM, IN, IO, IP, IQ, IR, IS, IT, IU, IV, IW, IX, IY, IZ, JA, JB, JC, JD, JE, JF, JG, JH, JI, JJ, JK, JL, JM, JN, JO, JP, JQ, JR, JS, JT, JU, JV, JW, JX, JY, JZ, KA, KB, KC, KD, KE, KF, KG, KH, KI, KJ, KK, KL, KM, KN, KO, KP, KQ, KR, KS, KT, KU, KV, KW, KX, KY, KZ, LA, LB, LC, LD, LE, LF, LG, LH, LI, LJ, LK, LL, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ, MA, MB, MC, MD, ME, MF, MG, MH, MI, MJ, MK, ML, MM, MN, MO, MP, MQ, MR, MS, MT, MU, MV, MW, MX, MY, MZ, NA, NB, NC, ND, NE, NF, NG, NH, NI, NJ, NK, NL, NM, NN, NO, NP, NQ, NR, NS, NT, NU, NV, NW, NX, NY, NZ, OA, OB, OC, OD, OE, OF, OG, OH, OI, OJ, OK, OL, OM, ON, OO, OP, OQ, OR, OS, OT, OU, OV, OW, OX, OY, OZ, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ, PK, PL, PM, PN, PO, PP, PQ, PR, PS, PT, PU, PV, PW, PX, PY, PZ, QA, QB, QC, QD, QE, QF, QG, QH, QI, QJ, QK, QL, QM, QN, QO, QP, QQ, QR, QS, QT, QU, QV, QW, QX, QY, QZ, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, RR, RS, RT, RU, RV, RW, RX, RY, RZ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ, SK, SL, SM, SN, SO, SP, SQ, SR, SS, ST, SU, SV, SW, SX, SY, SZ, TA, TB, TC, TD, TE, TF, TG, TH, TI, TJ, TK, TL, TM, TN, TO, TP, TQ, TR, TS, TT, TU, TV, TW, TX, TY, TZ, UA, UB, UC, UD, UE, UF, UG, UH, UI, UJ, UK, UL, UM, UN, UO, UP, UQ, UR, US, UT, UY, UZ, VA, VB, VC, VD, VE, VF, VG, VH, VI, VJ, VK, VL, VM, VN, VO, VP, VQ, VR, VS, VT, VU, VV, VW, VX, VY, VZ, WA, WB, WC, WD, WE, WF, WG, WH, WI, WJ, WK, WL, WM, WN, WO, WP, WQ, WR, WS, WT, WU, WV, WW, WX, WY, WZ, XA, XB, XC, XD, XE, XF, XG, XH, XI, XJ, XK, XL, XM, XN, XO, XP, XQ, XR, XS, XT, XU, XV, XW, XX, XY, XZ, YA, YB, YC, YD, YE, YF, YG, YH, YI, YJ, YK, YL, YM, YN, YO, YP, YQ, YR, YS, YT, YU, YV, YW, YX, YY, YZ, ZA, ZB, ZC, ZD, ZE, ZF, ZG, ZH, ZI, ZJ, ZK, ZL, ZM, ZN, ZO, ZP, ZQ, ZR, ZS, ZT, ZU, ZV, ZW, ZX, ZY, ZZ)

Level	Indicated Ore (Tons)	Inferred Ore (Tons)	Total Ore (Tons)
1	9,300	2,200	11,500
2	11,500	5,100	16,600
3	17,900	5,900	23,800
4	32,350	5,650	38,000
5	60,300	13,600	73,900
6	48,700	16,200	64,900
7	40,550	1,850	42,400
8	54,950	11,500	66,450
9	27,550	9,300	36,850
10	6,500	300	6,800
11	3,900	-	3,900
12	2,900	-	2,900
Totals -	316,400	71,600	388,000

Table 2.

Categorised Ore Reserves at 1/7/72

((Categories A, B, C, and D represent Indicated Ore; Category E represents inferred ore. Categories are defined as follows:-

- A. Ore blocks considered to be economical at budget metal prices and accessible now at present costs.
- B. Ore blocks considered to be economical at budget metal prices and accessible with moderately increased costs. (Development or rehabilitation.)
- C. Ore blocks considered to be marginally profitable at budget metal prices and accessible with high costs. (Development or rehabilitation.)
- D. Ore blocks considered to be uneconomical at budget metal prices due to low grades or excessively high costs.
- E. Inferred ore.))

Level	'A' (tons)	'B' (tons)	'C' (tons)	'D' (tons)	'E' (tons)	Total (Tons)
1	900	-	2,500	5,900	2,200	11,500
2	3,000	2,200	3,600	2,700	5,100	16,600
3	7,900	5,500	4,500	-	5,900	23,800
4	16,250	5,000	6,100	5,000	5,650	38,000
5	21,800	26,300	8,700	3,500	13,600	73,900
6	27,000	17,500	1,300	2,900	16,200	64,900
7	17,050	4,900	11,800	6,800	1,850	42,400
8	25,050	15,800	9,400	4,700	11,500	66,450
9	12,800	-	8,450	6,300	9,300	36,850
10	5,200	700	-	600	300	6,800
11	2,300	300	1,100	200	-	3,900
12	-	-	2,100	800	-	2,900
Totals	139,250	78,200	59,550	39,400	71,600	388,000

Table 4.

Table 3.

Level by Level Comparison of Indicated and Inferred Ore Reserve Tonnages as at 1st July 1971 and 1st July 1972

LEVEL	Indicated Tonnage			Inferred Tonnage		
	1971	1972	Difference	1971	1972	Difference
1	9,300	9,300	-	2,200	2,200	-
2	12,800	11,500	- 1,300	6,200	5,100	- 1,100
3	16,550	17,900	+ 1,350	5,950	5,900	- 50
4	31,950	32,350	+ 400	7,350	5,650	- 1,700
5	59,200	60,300	+ 1,100	10,600	13,600	+ 3,000
6	60,200	48,700	-11,500	14,300	16,200	+ 1,900
7	42,350	40,550	- 1,800	1,350	1,850	+ 500
8	67,900	54,950	-12,950	9,200	11,500	+ 2,300
9	35,150	27,550	- 7,600	7,800	9,300	+ 1,500
10	10,500	6,500	- 4,000	300	300	-
11	4,400	3,900	- 500	-	-	-
12	2,900	2,900	-	-	-	-
	<u>353,200</u>	<u>316,400</u>	<u>-36,800</u>	<u>65,250</u>	<u>71,600</u>	<u>+ 6,350</u>

Table 4.

Level by Level Comparison of Total Ore Reserves as at July 1st 1971 and July 1st, 1972

Level	Total Ore 1/7/1971 (tons)	Total Ore 1/7/1972 (tons)	Diff.	Remarks
1	11,500	11,500	Nil	Unchanged
2	19,000	16,600	- 2,400	Decreased tonnage due to extraction & re-assessment exceeding development by stoping.
3	22,500	23,800	+ 1,300	Increased tonnage due to development exceeding re-assessment.
4	39,300	38,000	- 1,300	Decreased tonnage due to extraction exceeding development.
5	69,800	73,900	+ 4,100	Increased tonnage due to development and stope extensions exceeding extraction.
6	74,500	64,900	- 9,600	Decreased tonnage due to extraction exceeding stope extensions.
7	43,700	42,400	- 1,300	Decreased tonnage due to extraction exceeding stope extensions.
8	77,100	66,450	-10,650	Decreased tonnage due to extraction and re-assessment exceeding development and stope extensions.
9	42,950	36,850	- 6,100	Decreased tonnage due to extraction & re-assessment exceeding development and stope extension.
10	10,800	6,800	- 4,000	Decreased tonnage due to extraction.
11	4,400	3,900	- 500	Decreased tonnage due to extraction.
12	2,900	2,900	Nil	Unchanged
Totals	418,450	388,000	- 30,450	

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LEVEL	LOCATION	INDICATED ORE (tons)		INFERRED ORE (tons)		DIFFERENCE + or -	CODE	CATEGORY	GRADE	REMARKS
		1/1/11	1/1/12	1/1/11	1/1/12					
1	(2DU) 1-52.3-176	2,500	2,500	-	-	N11	FRAL	C	Low	Eastern vein beneath tailings dump
1	(3DUS) 1-59-169	1,000	1,000	-	-	N11	FRBL	D	0.8%(G)	Difficult access; underneath salvage yards
1	(50 vein) 1-55-163	400	400	-	-	N11	FDAM	D	M(G)	Main shaft pillar
1	(176) 1-55-160	500	500	-	-	N11	F-AM	D	M(G)	Main shaft pillar
1	(176) 1-56-161	700	700	-	-	N11	F-AM	D	M(G) +	Main shaft pillar
1	(af1/2) 1-58-167	800	800	-	-	N11	FRAH	D	2.5%(G)	Rise needed underneath mill
1	(56DU) 1-49.51-138	900	900	900	900	N11	FRAM	A & E	M	8Pty stope (OLD)
1	(56DUS EXT) 1-48.9-133	2,500	2,500	1,300	1,300	N11	FRAL	D & E	L	36 Pty stope (OLD)
		9,300	9,300	2,200	2,200	N11				No Change
2	(50 vein E/B) 2-55.6-168	400	400	-	-	N11	FRCM	D	M(G)	Too close to shaft; reserve below 1L
2	(50) vein) 2-57-159	100	100	-	-	N11	F-AM	D	M(G)	Too close to shaft; reserve below 1L
2	(179) 2-56-169	2,200	2,200	-	-	N11	F-AL	B	L	Stopped 68/69; needs ore pass eastern vein
2	(AF2/2) 2-56.8-164	500	500	-	-	N11	F-BL	D	L	Balance of tonnage from block is directly u/neath alleged rich block 1-58-167
2	(57DU) 2-61-160	700	700	-	-	N11	F-AL	C	L	Mine when block below reaches this level
2	(179) 2-52.3-166	1,400	1,400	-	-	N11	FRBM	C	0.75%(G)	Eastern vein south needs development
2	(177) 2-60.2-164	3,300	1,900	2,400	1,900	-1,900	FRAM	A & E	M	Operating stopes (24 Pty) F/W and H/W
2	(AF2/1) 2-61-164	900	900	-	-	Ext & re-ass.	FRBL	C	L(G)	Alongside above. Adjacent to 6100 orepass
2	(56DUN) 2-51.2-137	600	600	1,100	1,100	N11	FRAM	C, E	M	Block above old 2Pty stope Brandon shaft
2	(56DUS) 2-46.7-124	1,400	1,100	1,400	1,100	Ext. 600	FRAM	A, E	M	Operating stope (29Pty)
2	(56DUS) F/W) 2-46.8-126	1,300	1,000	1,300	1,000	Ext. 600	FRAL	D, E	L	48Pty stope F/W (ON ICE)
2	(56DUS) H/W) 2-47-123	-	700	-	-	Stope Ex. 700	FRAL	D		48Pty stope H/W (ON ICE)
		12,800	11,500	6,200	5,100	-2,400				- 2,400
3	(36DU) 3-50-141	2,600	2,600	1,000	1,000	-	FRAM	B, E	M	In F/wall old 55Pty. Investigate 4 level
3	3-48.50-140	1,900	1,900	1,900	1,900	N11	F-AM	A, E	M	Above 55Pty old stope
3	(40 vein) 3-55.6-148	1,000	1,000	-	-	N11		C	M(G)	1000 tons broken ore in old shrink stope, drive blocked 3L, needs re-opening
3	(177) 3-60.2-160	600	600	-	-	N11	F-BM	B	M	Ex 24Pty stope below 2 level.
3	(57DU) 3-61.2-156 (W lode)	800	800	800	800	N11	F-AM	B, E	0.76%(G)	Mine when stope below reaches level.
3	(178) 3-54.7-155	3,600	3,000	-	-	Re-ass -600	FRAH	C	H(G)	Too close to shaft, reported (G.J.K.), 600 tons low grade, 3000 tons high grade. 600 tons deleted.
3	(50 vein 54DU) 3-54-156	500	500	-	-	N11	FRBL	C	L(G)	L/stoped. Investigate. When MOP reaches 3 L.
3	(A/F.3/1) 3-59.61-158	2,100	2,100	-	-	N11	F-AL	A	L(G)	Possibly low grade
3	3-60-1630	250	1,000	250	-	Dev. + 500	F-AM	A	M	H/wall of 16Pty current stope. Now being used as part of 6000N o/pass system to 5 level
3	3-60-164	1,700	2,900	500	700	Dev. +1400	F-AM	A, E	M	Operating stope 16Pty. Being developed.
3	(69DU) 3-57.8-1660	1,500	1,500	1,500	1,500	-	FRAM	B, E	M	Above 16 Pty old stope.
		16,550	17,900	5,950	5,900	+ 1,300				

LEVEL	LOCATION	INDICATED ORE (tons)		Inferred Ore (tons)		Difference + or -	Code	Category	Grade	Remarks
		1/7/72	1/7/72	1/7/71	1/7/72					
4	(56DUX)4-45-109	7,700	6,600	1,200	800	Extract 2,100	F-AM	A,E	M	Operatinf stope 4 Pty. *
4	(56DUS)4-46.8-116	900	-	-	-	Extract 900	F-AL	D	L	Operating stope 48Pty (extracted)
4	(56DUS)4-50.51-120	2,800	2,800	-	-	Nil	FRBL	B	L?	Investigate from Brandon shaft 3 level
4	(56DUN)4-50.1-126	600	600	-	-	Nil	F-BM	B	M	Old 2Pty stope. As above
4	(26vein)4-51.2-144	2,600	2,600	-	-	Nil	F-AM	A	M	28Pty stope above 4 level *
4	(54DU)4-55-151	2,100	2,100	-	-	Nil	F-AM	D	M	Shaft pillar
4(54	(54DU)4-56-151	400	400	-	-	Nil	F-AM	C	M(G)	Close to shaft, Can be mined if we ever mine 4-55-151
4	(55DUS,H/W)4-57.8-152	1,200	1,200	-	-	Nil	FRBM	C	0.90%(G)	Explore and develop initially from 3 level using M.O.P. for ore disposal
4	(55DUX,SH/W)4-57.8-152	1,000	1,000	-	-	Nil	FRBM	C	0.90%(G)	Explore and develop initially from 3 level using M.O.P. for ore disposal
4	(55DU)4-58-152	500	500	-	-	Nil	F-BL	D	0.60%(G)	Floor pillar, may rise from block below
4	(55DUC)4-60-154	800	800	-	-	Nil	F-BL	D	0.60%(G)	See above
4	(57DU)4-59.62-151	600	600	-p	-	Nil	F-AL	A	L	A spare job (old 22Pty)
4	(58DUN.C)4-52-140	-	-	600	600	Nil	FRAH	E	2.2%(G)	Needs rise to prove upward extension
4	(58DUN)4-54.5-143	1,100	1,100	1,800	1,800	Nil	FRAL	C,E	L(G)	Needs rise for exploration
4	(58DU)4-55,6-143	600	600	-	-	Nil	F-AL	C	L(G)	Mine when stope below reaches level
4	(180)E.vein 4-54.6-159	1,600	1,600	-	-	Nil	FRBL	D	L	Reserve below 3 level behind shaft. Part of shaft pillar
4	(181)26 vein.4-53.4-145	1,600	1,600	1,600	1,600	Nil	FRBH	B,E	1.5%(G)	Needs rise, heavy ground, could be good block.
4	(AF.4/1)4-54-154	1,100	1,100	-	-	Nil	FRBL	C	L(G)	Needs rise. Sample. Connect to M.O.P.?
4	(67DU)4-54-140	500	500	-	-	Nil	FRAL	C	L	Rise. Sample.
4(69DU)	4-57.8-161	600	-	-	-	Extract 600	-	-	-	Old 16Pty stope. Reserve now on 3 level. ?*
4	4-59.6-158 158	500	700	500	600	Dev. + 300	FRAM	A,E	M	Operating stope (2Pty). 6000 N.O.P. area. *
4	4-60-158	200	200	-	-	Nil	FRAL	C	L	6000 N.O.P. area, north of crosscut
4	4-60-158	250	250	250	250	Nil	F-AH	A,E,	H	6000 N.O.P. area, below 3L short drive. Being used as part of 6000 N.O.P.
4	4-60-159	1,300	2,500	-	-	Dev. +1,200	F-AM	A	M	6000 N.O.P area, being used as part of same.
4	4-60.1-161	600	1,600	600	-	Dev. + 400	F-AM	A	M	6000 N.O.P. area. Rise broke into f/w of 6000 N.O.P.
4	4-60.1-162	800	2,000	800	-	Dev. + 400	FRAM	A	M	6000 N.O.P. area. Block in f/w of above blocks *
		31,950	32,350	7,350	5,650	- 1,300				

spare blocks.

LEVEL	LOCATION	INDICATED ORE (tons)		INFERRED ORE (tons)		Difference	Category CODE	CATEGORY	GRADE	REMARKS
		1/7/71	1/7/72	1/7/71	1/7/72					
5	(63DU)5-50.3-138	2,000	2,000	2,000	2,000	-	FRAL	B,E	0.54%(G)	Needs exploration rise
5	(63DU.F/w)5-51.2-140	1,100	1,100	-	-	N11	F-AM	A	M	28Pty stope, H.Wall; ^{OLD STOPE} below 4 level
5	(63DUS)5-50.1-136	1,200	1,200	-	-	N11	FRBM	B	M(G)	U/Neath block 4-50.1-140. Investigate further.
5	(66DUN.50N.Pillars) 5-50.1-125	1,400	1,400	-	-	N11	FRBH	C	H(G)	Floor pillar, may mine from block 5-47.9-120
5	(66DU)5-47.5-120	9,600	9,600	-	-	N11	F-AL	A	0.7%(G)	Re-grade, level timber, then ready to mine
5	(66DU.F/w)5-48.9-123	2,300	2,000	209	300	Extract 200	F-AM	A,E		Operating stope (1 Pty) <i>Do not</i>
5	(68DA.S/L)5-48-112	1,900	1,900	-	-	N11	FRBL	C	0.7%(G)	Access from 4L is too far in f/wall. Has one chute and one manway. Investigate.
5	(68DUS)5-46-104	3,500	3,500	-	-	N11	F-BL	B	0.7%(G)	OK. 900' to 5200N o/pass. Loco??
5	(68DUN)5-46.7-108	400	400	-	-	N11	F-BM	B	M(G)	Floor pillar, mine with 5-46-104
5	(68DUN.H/w)5-46.7-108	300	300	-	-	N11	B-BM	B	M(G)	Floor pillar, mine with 5-46-104
5	(60DUS)5-55-144	900	900	1,900	1,900	N11	FRAL	C,E	0.6%(G)	Needs rise. Close to shaft.
5	(60DU)5-56-147	800	800	-	-	FRAL	ERAL	CA	L	Loco drive north of M. X/C.
5	(62DA.54N)5-52.5-137	5,200	5,700	-	-	Stope Ext + 500	F-AH	A	H	Operating stope (14Pty), Jim's Whim. *
5	(61DA)5-55-140	1,400	1,400	-	-	N11	FRBH	B	H(G)	Pillar reputedly hi-grade. Investigate from Jim's Whim. *
5	(63DUN)5-54-141	400	400	-	-	N11	FRCM	D	M(G)	Drive only good D/drill intersections south
5	(66DUS4N)5-55-134	800	800	800	800	N11	F-AL	B,E	0.56%(G)	Re-line chutes, then OK to stope
5	(67DU)5-54.5-130	3,000	3,000	-	-	N11	F-bm	B	0.86%(G)	Deposit Mullock in old 14Pty stope. Possible loco haulage.
5	(69DUS)5-56.7-152	2,000	2,000	-	-	N11	F-AM	B	M	Old 18Pty south of 16Pty stope. Close to shaft
5	(70DUS)5-54.5-150	600	600	600	600	N11	FRAM	B,E	M	South of MOP. 5 Level. Close to shaft.
5	(182)5-58-129	1,200	1,200	-	-	N11	FRAM	B	0.8%(G)	Drive above 41Pty stope. Loco haulage.
5	(60DUN.H/w)5-60-146	600	600	-	-	N11	F-BM	C	M(G)	May be mined from stope north ext. See below.
5	(60DUN.F/w)5-60.1-148	3,200	3,200	3,200	3,200	N11	FRBL	B,E	L(G)	When this stope reaches suitable horizon, extract above stope, i.e. 5-60-146
5	(64DU)5-59.6-143	3,100	3,100	-	-	N11	F-BM	D	M(G)	Below collapsed area on 4 level. Main 3" fill line was located through stope in 1969.
5	(64DU.H/w)5-62-144	1,100	1,100	-	-	N11	FRBM	C	0.80%(G)	Rise needed. U/neath 4-61.2-150.
5	(69DAN)5-61.2-154	2,800	2,800	-	-	N11	F-AL	B	0.66%(G)	6000N o/pass is in south of stope with 18" good vein.
5	(69DA.H/w)5-62-153	3,400	3,400	-	-	N11	FRBL	B	L(G)	Rise not broken through on 4 level.
5	(69DU.F/w)5-59.62-154	1,800	2,100	1,200	2,300	Dev. + 1,400	F-AM	A,E	M	Operating stope (17 Pty) / +42 PTY <i>Do not</i> *
5	(69DU.H/w)5-60-154	700	700	700	700	N11	FRAM	A,E	M	In south H/w of above stope.
5	()5-59.6-158	500	500	-	-	N11	FRAM	B	M	Block below 2Pty stope, below 4level drive.
5	5-60.1-162	800	800	-	-	N11	FRAM	C	M	Block below block near 6000N O.P. 4 level.
5	5-60.1-161	600	600	-	-	N11	FR	C	M	" " " " " " " "
5	5-61-147	600	600	-	-	N11	FRBL	C	L	Needs exploration rise, etc, for assessment.
5	5-56.7-149	-	600	-	600	Stope ext. +1200	FRAM	A,E	M	New reserve above 20Pty operating stope. <i>Do not</i> *
5	5-55.7-132	-	-	-	1,200	Stope ext. + 1200	FRAM	E	M	New reserve above 41Pty f/w operating stope. *
		59,200	60,300	10,300	13,600	+ 4,100				

LEVEL	LOCATION	INDICATED ORE (tons)		INFERRED ORE (tons)		Difference	CODE	CATEGORY	GRADE	REMARKS
		1/7/71	1/7/72	1/7/71	1/7/72					
6	(81DUS)6-47.8-100	2,200	2,200	4,900	4,900	Nil	F-AM	A,E	0.8%(G)	Ready to mine. Very long trucking. 1000' Loco 0/pass?
6	(81DUS)6-48-102	1,300	1,300	-	-	Nil	F-AL	B	L(G)	Pillars in old shrink stope. will mine from 6-47.8-100 above.
6	(81DUN)6-51.2-112	2,300	2,300	-	-	Nil	F-AL	A	L(G)	Pillars north of 6-48-102. Mine from 40Pty.
6	(85DU)6-49.50-105	3,100	3,100	-	-	Nil	F-AM	A	M	Ready to stope, mine with 81DUS 6-47.8-100
6	(151DUS)6-46.7-91	2,500	2,500	1,300	1,300	Nil	FRDBM	B,E	1.0%(G)	Rise struck fault at 60'. Trucking 1200'. Loco. 0/pass? May be possible to stope to top of rise and then rise further for breakthrough on 5L in ore.
6	(151DUS)6-46-91	400	400	400	400	Nil	FRBM	C,E	1.0%(G)	Reserve below 5L. Needs dev. and exploration.
6	6-47-110	600	600	-	-	Nil	FRBM	B	M	Sandfilled to 6L. In H/wall of shrink stope.
6	6-48.9-126	900	900	-	-	Nil	FRBM	B	M	Block below old 1Pty 5 level.
6	6-49.5-125	1,200	1,200	1,200	1,200	Nil	FRAM	A,E.	M	H/wall stope of 10 Pty.
6	(83DU.F/w)6-48.52-127	3,400	4,800	3,400	5,300	Stope ext. + 400	FRAM	A,E	M	Operating stope (10Pty F/w Sth) + 21 PTY. *
6	(74DAN.H/w)6-52.3-130	2,900	-	-	-	-	F-AM	A	M	Operating stope (10Pty F/w Nth) *
6	(87DU)6-51.2-109	1,000	1,000	-	-	Nil	FRAM	B	M	L/stoped. Needs rise and timber. Above old 41Pty stope
6	(91DA)6-50.3-136	3,700	700	-	-	Extracted 3,000	F-AM	A	M	Operating stope (6 Pty) EXTRACTED
6	6-51.3-117	3,200	1,300	1,300	-	" - 1900	F-AM	A	M	Operating stope (40Pty) <i>Doubt - Rise looks OK</i> *
6	6-53-117	600	600	600	600	Nil	FRBL	D,E	L	Above old 23 23Pty. Old 40Pty H/w stope above 6L
6	(70DUS)6-52.5-144	4,500	4,500	-	-	Nil	F-AM	A	M	Operating stope (20Pty) F/w Sth, H/w, F/w Nth. <i>SPARE</i> ? *
6	(78DUS.Pillars)6-56.7-143	1,400	-	-	-	Extracted - 1,400	F-AM	A	M	Operating stope (20Pty) in F/w of F/w Nth. EXTRACTED
6	(78DU)6-56-141	400	400	-	-	Nil	FRBH	D	1%(G)	Small block north M.X/C. 6 level. Investigate.
6	(78DU.Pillars)6-58-143	2,300	2,300	-	-	Nil	F-AM	A	M	Operating stope (20 Pty) EXTRA. + RES.
6	(80DU.F/w)6-55-120	1,100	-	-	-	Extracted - 1,100	-	-	-	14Pty F/wall stope - extracted.
6	(82DU H/w)6-56.8-120	3,700	2,800	-	-	" - 900	F-AH	A	H	Operating stope (41Pty H/w) *
6	(82DU F/w)6-55.7-120	3,500	1,100	-	-	" - 2,400	F-AH	A	H	Operating stope (41Pty F/w) *
6	(72DAN)6-60-140	4,900	4,900	-	-	Nil	FRDBM	B	0.71%(G)	OK. When N.O.P. reaches 6 level. Rise is blocked 5 level.
6	(76DU)6-61.2-123	1,800	1,800	1,000	1,000	Nil	FRBM	B,E	0.9%(G)	N.O.P. ore disposal. Needs rise.
6	(78DU.Pillars Nth) 6-62-147	1,300	1,300	-	-	Nil	F-DH	D	H	Floor pillars below 69DA North
6	(84DU)6-61-143	4,300	4,300	1,500	1,500	Nil	FRAL	B,E	L(G)	2 rises N & S. Break into old stope. Part L/stoped.
6	(84DU H/w)6-61-142	200	200	-	-	Nil	FAH	B	H(G)	Ore disposal:- (a) When blocks below reach level (11Pty or 19Pty). (b) Drive connection to 72DAN or drive ending 6-5920N. Ore to N.O.P.
6	(104DU)6-59-135	900	900	-	-	Nil	FRDBH	C	1-2%(G)	Dev. needed, Very good prospect. Ore to N.O.P.
6	6-61-147	600	600	-	-	Nil	FRBM	D	M	Below 5 level.
6	6-51.2-130	-	700	-	-	Stope ext. + 700	FRAM	A	M	Operating stope (12Pty). New reserves. *
		60,200	48,700	14,300	16,300	- 9,600				

LEVEL	LOCATION	INDICATED ORE (tons)		INFERRED ORE (tons)		DIFFERENCE	CODE	CATEGORY	GRADE	REMARKS
		1/7/71	1/7/72	1/7/71	1/7/72					
SEVEN	(163DU)7-47-92	1,000	1,000	-	-	Nil	FRCH	D	1.1%(G)	Block below 6 level. Needs further investigation.
	(105DU)7-50.2-101	4,600	4,600	-	-	Nil	FRBM	C	M(G)	Can extract some from old 41Pty stope. Investigate alternative o/passes.
	(105DA H/W)7-50-98	2,300	2,300	-	-	Nil	F-BH	C	H(G)	H/w of above. Alternative o/passes
	(170)7052-104	1,000	1,000	-	-	Nil	F-AH	A	1.0%(G)	Old 41Pty stope. Mine with 105DU
	(158DU)7-48-90	300	300	-	-	Nil	FRBL?	C	L(G)	Rise 40' above 7 L. Hit fault. Investigate.
	(92DA)7-52-130	200	200	-	-	Nil	FRBM	D	M(G)	Small pillar above 7L. Sth end of complex
	(95DA)7-52.3-112	2,600	-	-	-	Extracted 2,600	F-AM	A	0.75%(G)	Extracted (22pty)
	(160DU)7-52.4-142	3,500	3,500	-	-	Nil	FRXAM	A	0.7%(G)	Open stope
	7-52-127	1,400	-	-	-	Extracted 1,400	F-AM	A	M	Operating stope (12Pty) Extracted. Reserve to 6L.
	(174DU.F/W)7-52-108	400	400	-	-	Nil	FRAM	B	M(G)	Short drive & L/stope. Further possible dev.
	(154DU.F/W/sth H/W) 7-52.3-116	300	300	-	-	Nil	FRBH	D	M	Blind rise from level drive. Check.
	(154DU H/W)7-53.6-110	4,900	4,900	-	-	Nil	F-AM+	A	M	Old 23 & 12Pty stopes at end of M.X/C.
	(700DU)7-54-140	2,200	2,200	-	-	Nil	FXBM	C	1.24%(G)	Reserve below 6L. Zorro's drive (8-54.5-130) may be same.
	(92DA)7-54.5.130	1,600	1,600	-	-	Nil	FRBH	D	1.1%(G)	South end of complex.
	(93DA)7-56-134	1,700	1,700	-	-	Nil	FRCH	D	H(G)	In F/wall of complex. May be mined end on from Zorro's/
	(99DA)7-57-132	900	900	-	-	Nil	F-AM	A	0.72%(G)	Operating stope (22Pty) H/wall.
	(99DA)7-58-132	1,100	2,500	-	-	Stope ext. +1,400	F-AM	A	M	Operating stope (22Pty) F/wall/ CURRENT. *
	(99DA)7-59-132	400	400	-	-	Nil	FRBH	D	H(G)	SMALL BLOCK on Nth end of complex. Just above seven level. Check.
	(95DU)7-56-115	400	400	-	-	Nil	FRCH	D	H(G)	Small block H/w of 95DA. Investigate.
	(172)7-55.6-117	1,400	1,400	-	-	Nil	FRAH	B	1.0%(G)	Promising block. Needs rise. Investigate.
	(183DU)7-57.8-119	2,400	2,400	-	-	Nil	FDCH	C	H(G)	Reserve below 6 level. Below 41Pty stope. Investigate.
	7-55-148	1,200	1,200	-	-	Nil	FRAL	D	L	Low grade. Re-assess??
	(103DU)7-58.6-125	1,000	1,000	1,100	1,100	Nil	FRAL	B,E	L	Nth o/pass for pre disposal.
	7-58.6-137	2,800	3,500	-	500	Stope ext. +1200	F-AM	A,E	M	Operating stope (19Pty). <i>Double</i> *
	7-59-131	250	250	250	250	Nil	FDRAM	A,E	M	11 Pty drive.
	(103DU)7-63-120	1,500	1,500	-	-	Nil	F-AM	B(G)	L(G)	Nth H/fill line runs down rise.
	(98DU)7-60.1-135	1,000	500	-	-	Extracted 500	F-AM	A	0.77%(G)	Operating Stope (11Pty) SPARE *
	7-51.2-162	-	600	-	-	Stope ext. +600	FRAM	B	M	New reserve. Above old 15Pty stope. D/E Vein.
		42,350	40,550	1,350	1,850	- 1,300				

LEVEL	LOCATION	INDICATED ORE (tons)		INFERRED ORE (tons)		DIFFERENCE	CODE	CATEGORY	GRADE	REMARKS
		1/7/71	1/7/72	1/7/71	1/7/72					
EIGHT	(158DU)8-47-89H/W	1,200	1,200	-	-	N11	FDRXCL	D	L(G)	(Blocks below 7L. Multiple faults. Need further investigation.)
	(158DU)8-48-89 F/W	200	200	-	-	N11	FDRXCL	D	L(G)	
	(115DA)8-49-88	900	900	-	-	N11	FRBH	C	H(G)	Floor pillar remnants. Accessible 7 Level.
	() 8-47.8-97	-	500	-	500	Dev. + 1,000	FRAM	A,E		New reserve, being developed 26Pty. *
	(122DU)8-48.9-97	1,100	1,100	-	-	N11	FRXBH	B	0.86%(G)	Block above 26Pty H/W. Rise then X/C on 7L. *
	(1200US)8-50.3-150	4,200	3,450	1,000	1,000	Extracted 750	F-AM	A,E	M	Operating stope (9Pty H/W, etc.) Double eastern vein. *
	(1200U F/W)8-50.1-156	2,500	1,200	1,300	1,200	Extracted 1,400	F-AM	A,E	M	Operating stope (9Pty F/W) Double eastern vein. *
	(174) 8-52-110	400	400	-	-	N11	FDRCM	C	M(G)	Block below 7L. 21Pty may pick up on 8L.
	(160DU)8-52.4-142	1,200	1,200	-	-	N11	F-CM	C	M(G)	Block below 7 level.. 12Pty open stope. Explore 8L. Zorro's??
	(95DA173)8-51.3-113	1,100	1,100	-	-	N11	FDCM	C	M(G)	Block below 95DA 7-52.3-112 (old 22Pty). May be developed, by 21Pty exploration on 8L.
	()8-53.5-115	6,300	2,800	-	1,00	re-ass & Extr. -2400	FRAM	A,E	M	Operating stope (55Pty)(ANA). ^{SPARE} Rise lost vein 150' up *
	(120DUN)8-54-148	1,200	1,900	-	-	Stope Ext. +700	FRAM	A	M	Operating stope (15Pty). D/E vein. *
	8-54.5-130	5,300	5,300	-	-	N11	F-AL	A	L?	Being timbered for stoping. (Zorro's)M.X/C. *
	8-55-148	900	900	-	-	N11	FRGL	D	L	Below development on 7 level.
	(111DA)8-56.8-131	2,100	1,900	-	-	Extracted 200		D	H(G)	Some extraction by 19Pty. Balance from Zorro's??
	8-56-133	400	400	400	400	N11	FRAL	B,E	L	Drive to L/stope nth of MXC near MOP.
	8-56-136	800	800	-	-	N11	FRAL	B	L	Drive & pillar drive nth MXC near MOP
	(111DA)8057.6-133	1,300	-	-	-	Extracted 1,300	-	-	M	Extracted (19Pty)
	(119DA F/W)8-57.8-116	1,600	500	-	500	Extracted 600	FRAL	B,E	L	5Pty stope; on ice. Test grade with rise.
	8-57.6-122	1,500	1,500	1,500	900	Re-assessed -600		A,E	M	Operating stope (31Pty) N.O.P. (F/W) ON ICE
	8-58.9-118=	3,700	2,000	-	-	Extracted 1,700		A	M	Operating stope (31Pty H/W) N.O.P. ON ICE
	(116ADU)8-58.61-122	2,100	2,100	-	-	N11	F-CM	C	0.65%(G)	Rise out of stope full of mullock. Dev from 31Pty.
	(116BDU)8-59.60-123	500	500	-	-	N11	F-CM	D	0.49%(G)	Pillars above sub-level.
	(116CDU)8-60-124	2,100	2,100	-	-	N11	F-CL	C	L(G)	Investigate. Probably just in H/W pf 169 8-58.60-130
	(169)8-58.6-128	9,600	5,700	3,000	3,200	Extracted 3,700	F-AM	A,E	M	Operating stope (3Pty) See also 8-57-129 (32Pty) *
	8-59.6-118	1,100	-	-	-	Transferred -1,000	FRCM	C	M	Transferred to 8-58.90118 (31Pty) H/W
	(157DU)8-60.3-112	8,800	8,800	-	-	N11	F-AL	B	L?	3Pty old stope. Re-assess. Ore to N.O.P.
	(121DU)8-61-110	1,600	1,600	-	-	N11	SSF-BH	C	H(G)	Square set stope, very bad ground.
	(121DU)8-64.6-106	4,200	4,200	2,000	2,000	N11	FDBH	B,E	H(G)	Needs 140' drive 7L to connect rise from "Marathon" & Ore to N.O.P.
	8-57-129	-	700	-	700	Stope ext + 1,400	FRAM	A,E	M	Operating stope (32Pty). Was combined with (169)8-58.6-128 (3Pty) last year. *
		67,900	54,950	9,200	11,800	- 10,650				

LEVEL	LOCATION	INDICATED ORE (tons)		INFERRED ORE (tons)		DIFFERENCE	CODE	CATEGORY	GRADE	REMARKS
		1/7/71	1/7/72	1/7/71	1/7/72					
NINE	(131DA)9-47.9-97	2,700	-	-	--	- 2,700 Extracted	-	-	M	Extracted (26Pty)
	(136DU)9-51.4-140	4,500	3,500	-	-	- 1,000 Extracted	F-AM	A		Operating stope (7Pty) <i>Doubtful</i>
	(136DU)9-53.5-136	3,100	1,700	1,200	1,100	- 1,500 Extr & Re-	F-AM	A,E		Operating stope (30Pty)
	(ANA)9-53.5-115	1,400	1,400	1,400	1,400	Nil assessed	FRCM	C,E	M	Block below 8 level ANA explore 9 level.
	(113DU)9-53.7-107	2,400	2,400	-	-	Nil KØMØM	FDRCH	C	H(G)	Block below 8 level Coronation Avenue. Explore 9L.
	9-54.5-130	1,100	1,100	-	-	Nil	FRDCL	D	L	Block below 8L (Zorro's) Explore 9L.
	(113DU)9-55.6-107	600	600	-	-	Nil	FDCM	C	M(G)	Same lode as 134DU (Football Field). Mine when this stope reaches same level.
	(134DU)9-55.8-107	6,200	2,200	-	700	-2,300 Extracted & re-assessed	F-AM	A,E		Operating stope (33APty) F/w & H/w. (Old 17Pty), Grade M.
	(134DU)9-56.7-102	800	800	800	800	Nil	FRAL	D,E	L	Block below sub-level 134DU 9-55.8-107 (School)
	(134DU)9-57.9-107	4,100	3,700	-	-	-400 Extracted	F-AH	A	M	Operating stope (33Pty). Football field.
	(137DU)9-58.9-113	800	800	800	800	Nil	FRAM	A,E	M	In F/wall of 134DU9-57.9-107. Used as orepass.
	9-56-133	400	400	-	-	Nil	FRDCL	D	L	(Blocks below drives and leading stope north of (MXC vicinity of M.O.P. 8 level.
	9-56-136	400	400	-	-	Nil	FRDCL	D	L	
	(130DA)9-57.8-123	450	450	-	-	Nil	FRBM	C	M	Block below sub-level in 3Pty stope below 8L. Access by G.I. M/way 8L. Investigate 9L.
	(135DA)9-61-96	3,100	3,100	-	-	FRBH Nil	FRBH	D	H	South extension old 17Pty stope. Bad ground, no orepass.
	(135DA F/w)9-62-110	500	500	-	-	Nil	FRBM	D	0.74%(G)	Small block in F/w of previous block.
	(135DA)9-64.7-92	3,600	3,600	3,600	3,600	Nil	FRBH	C,E	H(G)	Exploration & development needed 9L. Investigate. Reserve is below 8L Maratjon.
	9-59.6-125	-	900	-	900	+1,800 Stope Ext.	FRAM	A,E	M	Operating stope (27Pty) above 9L New Reserve. *
			35,150	27,550	7,800	9,300	- 6,100			
TEN	Contact vein 10 56-156	600	600	-	-	Nil	FRCL	D	0.72%(G)	Veining north of east pump sump at shaft.
	10-59-103	300	300	300	300	Nil	FDRAM	B,E	M	Reserve above drive off 10L X/C.
	10-57.6-122	4,000	-	-	-	-4,000 Extracted	-	-	M	Operating stope (27Pty F/w). Extracted.
	(137DU)10-58.9-113	400	400	-	-	Nil	FRAM	B	M(G)	9L U/hand explore on 10 level.
	(142DU)10-58.61-119	5,200	5,200	-	-	Nil	F-AM	A	M	H/w stope (27Pty). ON ICE
			10,500	6,500	300	300	- 4,000			
ELEVEN	11-59-103	300	300	-	-	Nil	FDRBM	B	M	Reserve below drive of 10L X/C.
	(150DA)11-60-112	200	200	-	-	Nil	F-CM	D	M	Pillar around north o/pass 11L to 10L
	(153DU H/w Leg)11-60,2-82	2,800	2,300	-	-	- 500 Extracted	F-AM	A		Operating stope (42Pty). ON ICE
	(153DU F/w)11-62,3-85	1,100	1,100	-	-	Nil	F-BM	C	M	Pillars below sub-level.
			4,400	3,900	-	-	- 500			
TWELVE	(162)12-60.2-86	2,100	2,100	-	-	Nil	FDCH	C	H(g)	Underhand 11 level.
	12-60-80	800	800	-	-	Nil	FDRCM	D	M	Underhand 11 level.
			2,900	2,900	-	-	Nil			